## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE UTILITY PATENT APPLICATION TRANSMITTAL

U.S. PTC 41795	903
22581 10/7	12.

UTILITY PATENT APPLICATION TRANSMITTAL		
First Named Inventor: Helvajian, H.	Attorney Docket Number: D490	
Title:Integrated Glass Ceramic Syst	ems	
Applicant hereby applies for a U.S. Pat	tent and claims Small Entity Status.	
APPLICATION ELEMENTS:		
[X] Specification	Total Pages: 48 .	
Title Page of the Specification	on	
Background of the Invention		
Brief Summary of the Invention	ı	
Brief Description of the Draw	ings	
Detailed Description		
[X] Claims	Total Claims: 19 .	
[X] Abstract of the Disclosure	Total Pages: 1 .	
[X] Drawings (35 U.S.C.113)	Total Sheets: 2.	
ACCOMPANYING APPLICATION PARTS:		
[X] Application Fee Transmittal		
[X] Declaration of the Inventors	Total pages: 2 .	
[X] Newly Executed Original Appl:		
[ ] Copy from a Prior Application	a (37 CFR 1.63d)	
[X] Power of Attorney		
[X] Assignment Transmittal & Assignme	ent Total pages: 3 .	
[ ] Information Disclosure Statement	Total Pages:	
[ ] Preliminary Amendment	Total Pages: .	
[X] Certificate of Express Mailing		
[X] Mail Room Return Receipt Postcard	i	
CONTINUING APPLICATION:		
[ ] Continuation [ ] Divisional	[ ] Continuation-In-Part (CIP)	
Prior Application Serial No.:	, Filing Date:,	
Patent Examiner:	, Art Group Number:	
APPLICATION CORRESPONDENCE:	ATTORNEY OF RECORD:	
Carole A. Mulchinski, M1/040	Derrick Michael Reid	
The Aerospace Corporation,	Registration No:32,096	
2350 East El Segundo Boulevard	Telephone: (310) 336-6708	
El Segundo, California, 90245, USA		
Telephone: (310) 336-6709		
FAX: (310) 336-0285	Respectfully Submitted,	
A man		
	_,Date:_December 18, 2003.	
Derrick Michael Reid		

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## PATENT APPLICATION FEE TRANSMITTAL

Applicant, the inventors and the assignee, claims small entity status.  TOTAL AMOUNT OF PAYMENT: \$425.00  METHOD OF PAYMENT:  [X] Deposit Account. The Commissioner is authorized to charge applicant's Deposit Account. Deposit Account Number: 01-0428 Deposit Account Number: The Aerospace Corporation  [X] Charge fee(s) indicated below.  [X] Charge any additional fees during the pendency of this application.  [X] Credit any overpayments.  FEE CALCULATION  [X] Filing Fee Small Entity (Fee Code 2001) Basic Filing Fee: 0.00  [X] Information Disclosure Statement IDS Filing Fee: 0.00  [X] Request for Continued Examination RCE Filing Fee: 0.00  [X] The Total Claims are twenty or less, Independent Claims are three or less, and Multiple Dependent Claims are three or less, and Multiple Dependent Claims are none.  [X] Assignment Recording Fee Assignment Fee: 40.00	First Named Inventor: Helvajian, H. Attorney	y Docket Number: D490 .
METHOD OF PAYMENT: \$425.00  METHOD OF PAYMENT:  [X] Deposit Account. The Commissioner is authorized to charge applicant's Deposit Account. Deposit Account Number:01-0428 Deposit Account Number: The Aerospace Corporation  [X] Charge fee(s) indicated below.  [X] Charge any additional fees during the pendency of this application.  [X] Filing Fee Small Entity (Fee Code 2001) Basic Filing Fee: \$385.00  [] Information Disclosure Statement IDS Filing Fee: 0.00  [] Request for Continued Examination RCE Filing Fee: 0.00  [] Extra Claims Fee for Utility Application Claim Filing Fee: 0.00  [X] The Total Claims are twenty or less, Independent Claims are three or less, and Multiple Dependent Claims are none.  [X] Assignment Recording Fee Assignment Fee: 40.00  EXESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040 The Aerospace Corporation, 2350 East El Segundo Boulevard El Segundo, California, 90245, USA Registration Number: 32,096 Telephone: (310) 336-6708	Title: Integrated Glass Ceramic Systems	<u> </u>
METHOD OF PAYMENT:  [X] Deposit Account. The Commissioner is authorized to charge applicant's Deposit Account. Deposit Account Number:01-0428 Deposit Account Name: The Aerospace Corporation  [X] Charge fee(s) indicated below. [X] Charge any additional fees during the pendency of this application.  [X] Credit any overpayments.  [X] Filing Fee Small Entity (Fee Code 2001) Basic Filing Fee: \$385.00 IDS Filing Fee: 0.00 IDS Filin	Applicant, the inventors and the assignee, claim	ms small entity status.
[X] Deposit Account. The Commissioner is authorized to charge applicant's Deposit Account. Deposit Account Number:01-0428 Deposit Account Name: The Aerospace Corporation [X] Charge fee(s) indicated below. [X] Charge any additional fees during the pendency of this application. [X] Credit any overpayments.    Filing Fee Small Entity (Fee Code 2001)   Basic Filing Fee: \$385.00     Information Disclosure Statement   IDS Filing Fee: 0.00     Request for Continued Examination   RCE Filing Fee: 0.00     Retara Claims Fee for Utility Application   Claim Filing Fee: 0.00     The Total Claims are twenty or less, Independent Claims are three or less, and Multiple Dependent Claims are none.     Assignment Recording Fee   Assignment Fee: 40.00     RESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040     The Aerospace Corporation, 2350 East El Segundo Boulevard     Segundo, California, 90245, USA     Registration Number: 32,096     Telephone: (310) 336-6708	TOTAL AMOUNT OF PAYMENT: \$425.00	
[X] Deposit Account. The Commissioner is authorized to charge applicant's Deposit Account. Deposit Account Number:01-0428 Deposit Account Name: The Aerospace Corporation [X] Charge fee(s) indicated below. [X] Charge any additional fees during the pendency of this application. [X] Credit any overpayments.    Filing Fee Small Entity (Fee Code 2001)   Basic Filing Fee: \$385.00     Information Disclosure Statement   IDS Filing Fee: 0.00     Request for Continued Examination   RCE Filing Fee: 0.00     Retara Claims Fee for Utility Application   Claim Filing Fee: 0.00     The Total Claims are twenty or less, Independent Claims are three or less, and Multiple Dependent Claims are none.     Assignment Recording Fee   Assignment Fee: 40.00     RESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040     The Aerospace Corporation, 2350 East El Segundo Boulevard     Segundo, California, 90245, USA     Registration Number: 32,096     Telephone: (310) 336-6708		
[X] Deposit Account. The Commissioner is authorized to charge applicant's Deposit Account. Deposit Account Number:01-0428 Deposit Account Number:10-0428 Deposit Account Name: The Aerospace Corporation [X] Charge fee(s) indicated below. [X] Charge any additional fees during the pendency of this application. [X] Credit any overpayments.    Filing Fee Small Entity (Fee Code 2001)   Basic Filing Fee: \$385.00     Information Disclosure Statement   IDS Filing Fee: 0.00     Request for Continued Examination   RCE Filing Fee: 0.00     Extra Claims Fee for Utility Application   Claim Filing Fee: 0.00     The Total Claims are twenty or less, Independent Claims are three or less, and Multiple Dependent Claims are none.     Assignment Recording Fee   Assignment Fee: 40.00     RESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040     The Aerospace Corporation, 2350 East El Segundo Boulevard     Segundo, California, 90245, USA     Registration Number: 32,096     Telephone: (310) 336-6708		
applicant's Deposit Account. Deposit Account Number:01-0428 Deposit Account Number:10-0428 Deposit Account Name: The Aerospace Corporation  [X] Charge fee(s) indicated below. [X] Charge any additional fees during the pendency of this application.  [X] Credit any overpayments.  FEE CALCULATION  [X] Filing Fee Small Entity (Fee Code 2001) Basic Filing Fee: \$385.00 [] Information Disclosure Statement IDS Filing Fee: 0.00 [] Request for Continued Examination RCE Filing Fee: 0.00 [] Extra Claims Fee for Utility Application Claim Filing Fee: 0.00 [X] The Total Claims are twenty or less, Independent Claims are three or less, and Multiple Dependent Claims are none.  [X] Assignment Recording Fee Assignment Fee: 40.00  RESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040 The Aerospace Corporation, 2350 East El Segundo Boulevard El Segundo, California, 90245, USA Registration Number: 32,096 Telephone: (310) 336-6708	METHOD OF PAYMENT:	
[X] Filing Fee Small Entity (Fee Code 2001) [ ] Information Disclosure Statement [ ] Request for Continued Examination [ ] Extra Claims Fee for Utility Application [ ] The Total Claims are twenty or less,	applicant's Deposit Account.  Deposit Account Number:01-0428  Deposit Account Name: The Aerospace Corpor  [X] Charge fee(s) indicated below.  [X] Charge any additional fees during the pend	ation
[X] Filing Fee Small Entity (Fee Code 2001) [] Information Disclosure Statement [] Request for Continued Examination [] Extra Claims Fee for Utility Application [X] The Total Claims are twenty or less,     Independent Claims are three or less, and     Multiple Dependent Claims are none. [X] Assignment Recording Fee  RESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040 The Aerospace Corporation, 2350 East El Segundo Boulevard El Segundo, California, 90245, USA Registration Number: 32,096 Telephone: (310) 336-6708	[A] Cledit any Overpayments.	
[] Information Disclosure Statement [] Request for Continued Examination [] Extra Claims Fee for Utility Application [X] The Total Claims are twenty or less,		Basic Filing Fee:\$385.00
[] Request for Continued Examination [] Extra Claims Fee for Utility Application [X] The Total Claims are twenty or less,		<del></del>
[] Extra Claims Fee for Utility Application [X] The Total Claims are twenty or less,	[ ] Request for Continued Examination	
[X] Assignment Recording Fee  Assignment Fee: 40.00  ======  TOTAL Fee Paid \$425.00  RESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040 The Aerospace Corporation, 2350 East El Segundo Boulevard El Segundo, California, 90245, USA Registration Number: 32,096 Telephone: (310) 336-6708	[] Extra Claims Fee for Utility Application [X] The Total Claims are twenty or less, Independent Claims are three or less, and	Claim Filing Fee: 0.00
RESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040 The Aerospace Corporation, 2350 East El Segundo Boulevard El Segundo, California, 90245, USA Registration Number: 32,096 Telephone: (310) 336-6708		110013
RESPECTFULLY SUBMITTED BY: Derrick Michael Reid M1/040 The Aerospace Corporation, 2350 East El Segundo Boulevard El Segundo, California, 90245, USA Registration Number: 32,096 Telephone: (310) 336-6708		
El Segundo, California, 90245, USA Registration Number: 32,096 Telephone: (310) 336-6708	Derrick Michael Reid M1/040 The Aerospace Corporation,	TOTAL Fee Faid \$425.00
Telephone: (310) 336-6708		
	Registration Number: 32,096	
Signature: WewnMohasMig, Date: December 18, 2003.	Telephone: (310) 336-6708	
Signature: WewrkMossifle, Date: December 18, 2003.		
Derrick Michael Reid	Signature. Not the state of the	Date: December 18, 2003.

## Certificate of Mailing by "Express Mail"

"Express Mail" Mailing Label Number: EU436080655US Date of Deposit:
I hereby certify that the following correspondence for docket number D-490
Utility Patent Application Transmittal - 1 page Fee Transmittal - 1 page in duplicate Power of Attorney copy - 1 page Declaration - 2 pages Assignment Cover Letter - 1 page Assignment for Unfiled Application for U.S. Patent- 2 pages
Specification - 48 pages Claims - 6 pages Abstract 1 page Drawings - 2 sheets
are being deposited with the United States Postal Service "Express mail Post Office To Addressee" service on the date indicated above and is addressed to Mail Stop Patent Applications, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.
Typed Name of Person Signing This Certificate: Carole Ann Mulchinski
Signature of Person Signing This Certificate: Carelan Mullenski
Date of Signature: $12/19/03$